





# **The Synchronized Predeployment and Operational Tracker Enterprise Suite (SPOT ES) Overview**





# Agenda



- SPOT ES and Operations
- SPOT ES an Evolving Tool For The Future
- SPOT ES and Policy
- SPOT ES Phases
- SPOT ES Access and Capabilities
- JAMMS
- TOPSS
- SPOT ES Integration
- SPOT ES Future Enhancements
- SPOT ES Resources
- Business Rules & Processes/Best Practices





# SPOT Enterprise Suite



A single, joint enterprise system on a Service Oriented Architecture (SOA) employed for:

- the management, tracking and visibility of contractors accompanying U.S. forces overseas and contingency operations.
- capturing movement and location information about operating forces, government civil servants, and government contractors in specified operational theaters.
- providing dynamic, ad hoc reporting by putting the power of data reporting and analysis in the hands of the analyst.





# Planning and Results

## OPERATION NEEDS

- Plan missions and logistics
- Provide Situational Awareness (SA)
- Provide personnel accountability
- Support legal investigations involving personnel
- Determine contract compliance (e.g. use of Government Furnished Services)
- Execute Search missions (e.g. finding lost/missing personnel)



## OPERATION BENEFITS

- Capture and monitor activities related to tracking the movement of contractor, government civilian, and military personnel in target AOR (e.g. CENTCOM)
- Enable validation of the registration data against SPOT enrollment data**
- Facilitate the accountability of non SPOT persons to be





# SPOT ES: The Evolving Application



Four components NOW comprise SPOT ES:

- SPOT **NIPRNet** – SPOT deployed on the Non-secure Internet Protocol Router Network
- SPOT **SIPRNet** – SPOT deployed on the Secure Internet Protocol Router Network
- **JAMMS** – Joint Asset Movement Management System
- **TOPSS** – Total Operational Picture Support System





# Background: Policy IAW DoDI 3020.41



- Provide Leader Awareness of Contractor Footprint in their Area Of Responsibility for Contingency and Force Protection Planning
- Provide Leader Visibility of Capabilities within AOR
- Provide Full Accountability
- Provide Audit Type Capability for Contracted Assets





# SPOT ES Phases

Enrollment	Movement Capture	Data Aggregation	Reporting & Data Analysis
<ul style="list-style-type: none"><li>▪ Register personnel in central repository</li><li>▪ Screen &amp; verify against authoritative data sources (e.g., DMDC, ABIS, IAFIS, etc)</li><li>▪ Issue credentials</li><li>▪ Capture biometrics information (if applicable)</li></ul>	<ul style="list-style-type: none"><li>▪ Capture scans of credentials with deployed devices at target locations</li><li>▪ Capture key data elements to track movement data</li></ul> 	<ul style="list-style-type: none"><li>▪ Aggregate movement transactions from scanning devices</li><li>▪ Reconcile based on data quality rules</li><li>▪ Associate Card ID with enrollment record</li><li>▪ Consolidate into central repository</li></ul>	<ul style="list-style-type: none"><li>▪ Generate standard and ad hoc reports such as:<ul style="list-style-type: none"><li>▪ Movement transactions by location (country, city, building), ID type, personnel type</li><li>▪ Movement transactions in last seven days</li><li>▪ Movement transactions for specific person</li></ul></li><li>▪ Leverage advanced</li></ul>





# SPOT: User Groups and Roles



- Three (3) Primary User Groups (Roles)
  - Contractor Company
    - Company Administrator
  - Government Organization
    - Government Administrator / Government Authority
  - Contracting Community (Government)
    - Contracting Administrator / Contracting Officer (KO)
- Each role limits access to data and functionality in SPOT
- Each role has specific credentials for which you can register
  - Ex: you have an AKO login, but you want the ability to access SPOT using a software certification





# SPOT: Capabilities by Roles



Every Mission Is Critical™



Company

**Add / Maintain Contract**

**Add / Maintain Persons**

**Initiate Deployment**

**Maintain Deployment Information**

**Initiate LOA**

Government Authority

**Add / Maintain Contract**

**Add / Maintain Persons**

**Initiate Deployment**

**Maintain Deployment Information**

**Initiate LOA**

**Authorize LOA  
(Government Authority only)**

Contracting Officer  
Contracting  
Administrator

**Add / Maintain Contract**

**Approve LOA  
(Contracting Officer only)**





# SPOT Produced Letter of Authorization

LETTER OF AUTHORIZATION			DATE OF REQUEST 3/14/2010
REQUIRING ACTIVITY Communications and Electronics Command	GOVT AGENCY POC Rice, James	GOVT AGENCY POC PHONE 2025551212	GOVT AGENCY POC EMAIL james.rice@us.army.mil
NAME (Last, First, Middle Initial) Greenfield Jr., Marcus R.	SSN/FIN 000-00-2380	DATE OF BIRTH 1/1/1970	
HOME ADDRESS 5322 Brambleton Drive Norfolk Virginia 23533	CITIZENSHIP United States	PASSPORT # / EXPIRATION PAS50000 / 12/31/2013	
EMAIL marcus.greenfield@us.army.mil	DEPLOYMENT PERIOD START 4/1/2010	DEPLOYMENT PERIOD END 6/30/2010	
CLEARANCE LEVEL w/ AGENCY None	CLEARANCE DATE (MM/DD/YYYY) None	JOB TITLE Concrete/Mason	SUPERVISOR/NON-SUPERVISOR Non-Supervisor/Non-Manager
COMPANY (full name) Northrop Grumman Corp.	COMPANY POC Jones, Nora	COMPANY POC TEL 2025551212	
CONTRACT NUMBER/ TASK ORDER CONTO0277/AS00027 4	CONTRACT / TO START DATE 3/1/2010	CONTRACT / TO END DATE 12/31/2010	
NEXT OF KIN (WORK) NAME Available in SPOT	RELATIONSHIP Available in SPOT	RELATIONSHIP MIL SPONSORED KO	TERRIE B PUGH
IN-THEATER CONTACT Pace, Ricky	CONTACT'S PHONE 017-444-5555		
COUNTRIES TO BE VISITED Afghanistan			
PURPOSE To rebuild what was destroyed.			
FUND CITE w/ BILLING ADDRESS 123 4578 2304 1324738 1 Penn Ave., Washington, District of Columbia - 22000 United States	DBA INSURANCE INFORMATION Company Name: International Health Insurance Co. Policy Number: 123-ABC-456 POC Phone Number: 800-456-3322		

The government organization specified above, in its mission support authorizes the individual employee identified herein, to proceed to designated deployment period set forth above. Upon completion of deployment, the contractor will be returned to the point of origin. Travel being performed is necessary. Travel is in accordance with FAR 31.205-36 and the maximum per-appropriate travel regulations (Joint Travel Regulation (for AK, HI and outlying areas of the United States and US possessions), Federal Travel Regulation for CONUS and US Territories, and Dept of State's Standardized Regulations for OCONUS Foreign Areas designations).

Prior to issuance of a DoD Common Access Card (CAC), the government completion of the FBI fingerprint check with favorable results and submit Check with Inquiries to the Office of Personnel Management (OPM), or a equivalent investigation.

Emergency medical support will be determined by the appropriate support. Contractor authorization aboard military aircraft will be determined by the necessary identification badges will be determined and provided by the s

## LOA REMARKS

AP1.3.17.1. U.S.-owned contractors providing goods or services in direct support of DoD activities for contract-related mail only, their U.S. citizen employees and sponsored family members may be authorized personal mail. Postal support will be limited to the country in which the contractor is performing and providing there is no host-country prohibition. The extent of the postal support will be set forth in the contract. The provisions for postal support in such contracts shall be reviewed and approved by the applicable Combatant Commander (or his designated representative) and the Military Department concerned prior to execution of the contract.

## GOVERNMENT FURNISHED SERVICES

- APO/FPO/MPO/Postal Services
- Authorized Weapon
- Billeting
- CAAF
- CAC/ID Card
- Commissary
- Dependents Authorized
- DFACs
- Excess Baggage
- Fuel Authorized
- Govt Furnished Meals
- Mil Banking
- Mil Clothing
- Mil Exchange
- Mil Issued Equip
- Milair
- MWR
- None
- Resuscitative Care
- Transportation

tess.army.mil spot@ess.army.mil  
cn=spot@ess.army.mil, o=US, o=US Government, ou=USA  
2010/03/14 19:18:29-0400

Print Name: Signed by the SPOT System on behalf of TERRIE B PUGH

pot2@yahoo.com

1010

100223

**A unique barcode is generated for each LOA  
JAMMS scans contractor location data which is uploaded to SPOT records**





# SPOT: NIPRNet and SIPRNet



- SPOT is deployed over two DoD networks, **NIPRNet** (unclassified) and **SIPRNet** (classified). The networks are information conduits allowing access to the contractor identity and movement data stored in SPOT.
  - The distinction between the two deployments of SPOT is the classification of data available over the networks.
  - As **SIPRNet** is a secure network, contractor identification and movement-related data classified as Secret will be provided across SIPRNet only





# JAMMS (Joint Asset Movement Management System)



- JAMMS captures movement and location information about operating forces, government civil servants, and government contractors through data collection points established in specified operational theaters.
- **JAMMS data collection points are established at:**
  - Dining Facilities (DFACs)
  - Ports of Debarkation (APODs/SPODs)
  - Central Issue Facilities (CIFs)
  - Medical locations
  - Convoy staging areas
  - Fuel Points
  - Vehicle Issue Points
  - Billeting facilities
  - Department of State (DoS) facilities
  - Morale, Welfare, and Recreation (MWR) locations





# SPOT and JAMMS Integration



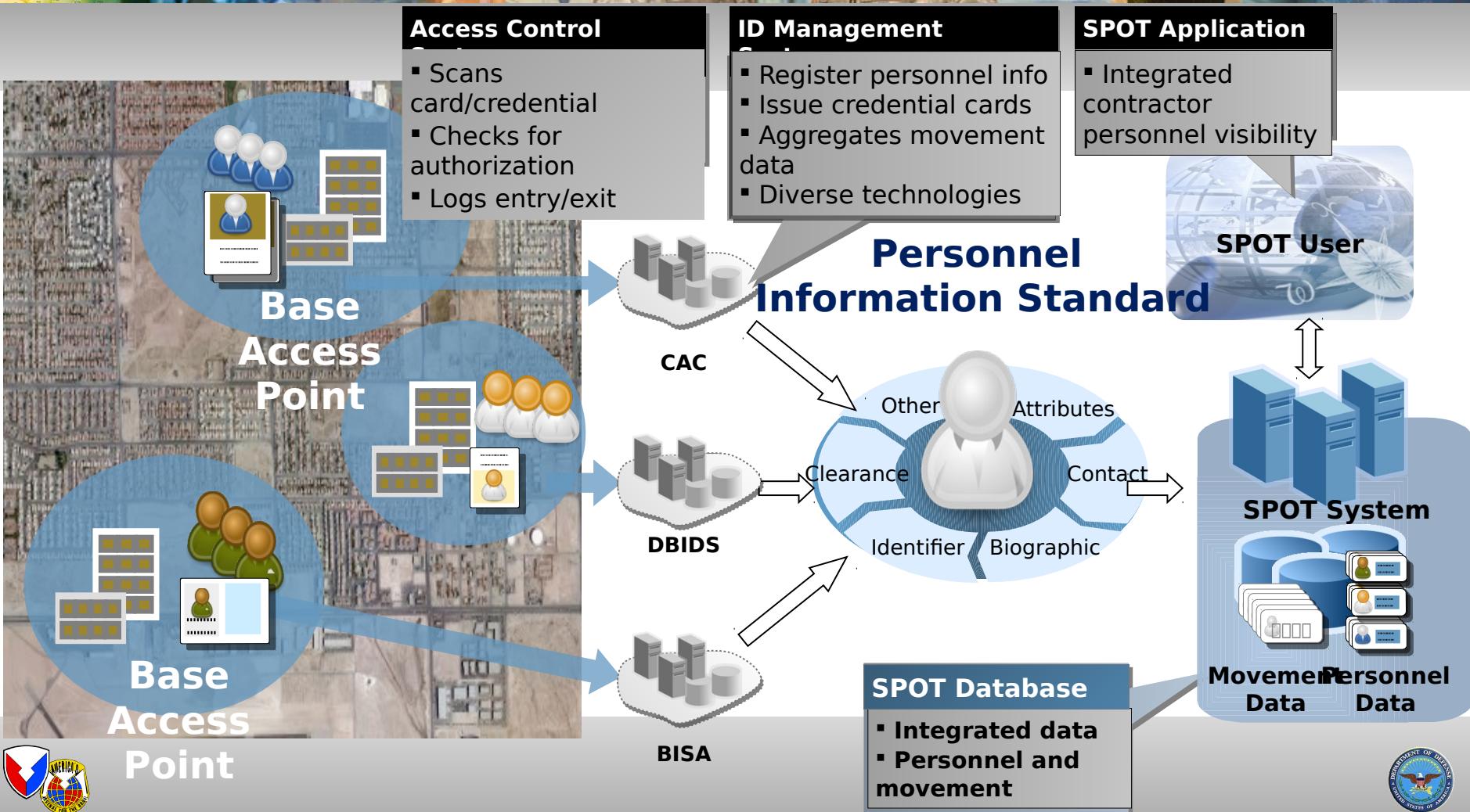
## • JAMMS Operations

- Personnel movement data collected, data assembled into an encrypted batch file for upload
- SPOT builds a JAMMS record, matches movement data to an individual, creates an exception report if individual not registered in SPOT
- Users and external systems query SPOT for movement data; SPOT provides data requested





# Scenario: SPOT and JAMMS





# SPOT Administrator: Dashboard Report



FOR OFFICIAL USE ONLY

Home | Training | Logout

Welcome, JOHN KAMENELIS Training Web

Home | Person | Contracts | Reports | Administration | Account Information | Dashboard | Company Managed Equipment |

Home : Dashboard : SPOT Dashboard

### Contractor Personnel Deployments by Country

Iraq	5,251
Kuwait	1,569
Afghanistan	1,481
Centralia	630
Blueland	526
Other	1,223

### # of Companies in SPOT

w/Contractor Records	339
w/Registered Admins	38
Total Companies	3,169
w/LOAs	39

### Active Contract Counts

Active Contracts	968
w/ Active Deployments	64
w/ Active LOAs	44

### New Contractor Deployments by Quarter

2009Qtr4	55
2010Qtr1	3
2010Qtr2	19
2010Qtr3	7

### Top 5 Companies w/Contractor Deployments

	Total Contractors	Total Subcontractors	% of Total Deployed *
KBR	5,594	3	52%
J&J/BMAR, LLP	555	0	5%
KBR, Inc.	287	0	3%
L-3 Com Titan Group	238	0	2%
AECOM Government Services	209	0	2%
Total	6,883	3	64%

\* % of total deployed population

### Citizenship of Deployed Contractor Personnel

U.S.	8,400
Non-US	2,280





# Report Example: JAMMS Summary



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ONLY

## JAMMS Summary Report

Generated as of Jun 19 2009 14:46 GMT

Location	U.S. Government Personnel	U.S. Military Personnel	Not Specified	Company Contractor	Total
Afghanistan (101 AVN)	4,855	137,828	1,303	40,098	184,084
Afghanistan (2B PHOENIX)	19,870	443,681	7,390	163,555	634,496
Afghanistan (2C EGGRERS)	10,691	171,217	4,159	63,245	249,312
Afghanistan (RSOI DFAC)	5,745	92,843	2,039	38,187	138,814
Iraq (Al Hilliah CPA)	2	248	1	2	253
Iraq (AL TAQADDUM)	3,127	176,740	1,334	68,897	250,098
Iraq (AL-KUT DFAC(Delta))	15,868	713,336	7,627	299,249	1,036,080
Iraq (AO GLORY DFAC)	50,713	1,333,779	9,756	351,105	1,745,353
Iraq (Balad(Fixed/Rotary))	11,030	201,653	1,672	56,344	270,699
Iraq (BIAP(Inbound/Outbound))	22,464	549,298	5,655	84,306	661,723
Iraq (BUCCA EPW2)	17,211	1,028,597	7,736	279,580	1,333,124
Iraq (CAFE AL RAMADI)	23,894	1,066,623	11,449	216,449	1,318,415
Iraq (Camp East LSA)	36,940	1,364,011	16,610	586,184	2,003,745
Iraq (Camp Echo)	8,657	616,695	5,484	269,917	900,753
Iraq (Camp Hammer)	5,654	346,880	2,785	74,685	430,004
Kuwait (Ali Al Salem DFAC)	55,402	1,694,456	28,203	234,804	2,012,865
Kuwait (Ali Al Salem)	28,434	5,372	2,151	127,506	163,463
Kuwait (SPOD)	20,576	304,418	9,759	116,217	450,970
Kuwait-APOD 003	853	6,931	140	318	8,242
Kuwait-APOD 004	4	3,707	12	95	3,818
Kuwait-APOD 005	10	477	0	99	586
Kuwait-Convoy Point 002	149	3,973	28	66	4,216
Kuwait-Convoy Point 004	12	2,443	42	41	2,538
Kuwait-Convoy Point 005	4	361	2	47	414
Qatar-APOD 001	41	35	15	8,681	8,772
Qatar-Dining Facility 008	0	0	2	3	5
Unknown	27,948	1,546,309	18,358	373,369	1,965,984
<b>Total</b>	<b>2,841,133</b>	<b>72,759,468</b>	<b>1,063,776</b>	<b>18,596,297</b>	<b>95,260,674</b>

Note: Total counts reflect the number of actual scans captured, not the number of unique persons.

All Example Reports derive artificial data from the test or training SPOT instance.





## SPOT: Total Operational Picture Support System (TOPSS)



- Provides Dynamic, Ad Hoc Reporting on a Service Oriented Architecture (SOA)
- Puts power of data reporting and analysis in the hands of analysts to make immediate and effective decisions
- Use reports and dashboards to monitor visibility and analyze trends
- Proven Scalability to adapt to emerging requirements and data sources
- Secure, SIPRNet- based, NIPRNet-ready Business Intelligence Solution (ATO 2009)





# TOPSS: Features Summary



- **Reporting**

- Ad-Hoc report creation of multiple report styles
- Dynamic, suggested entities and attributes
- Role-Based Security filters report styles, elements, and results
- Integration
- Web Service based integration to consumer applications
- Integrates with external authoritative data sources
- Automated system administration, performance monitoring, and system auditing

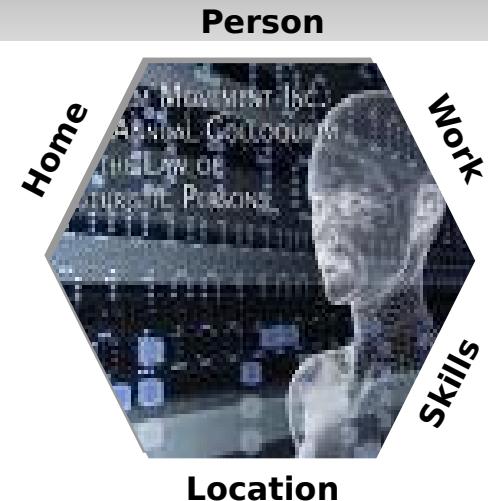




# TOPSS: Virtual Data Entities



- TOPSS builds a catalog of virtual data entities that extend across data sources
- Consolidate into a single virtual entity
  - Data can be held in multiple data tables
  - Data in multiple databases
  - Analysts and Reporters do not need to be concerned about those sources and how to consolidate them
- For Example: Virtual Person Record
  - Consolidation of Personal Records and Data, home and work information, skills, and locations where they have been
  - Presented as a single, simple entity to analysts and users

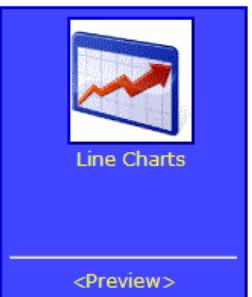
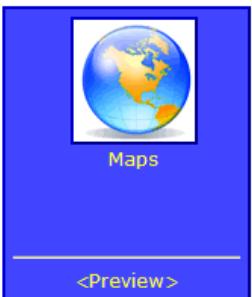




# TOPSS Report Types



- Reports Catalog
  - Provides a starting point and reference of previously built reports
  - System provided
  - Reports by other users
- Pre-generated, Standard Reports
  - Preconfigured reports run and filtered for individual users
- Ad Hoc Reports from Templates
  - Multiple Report Layouts supported, including:

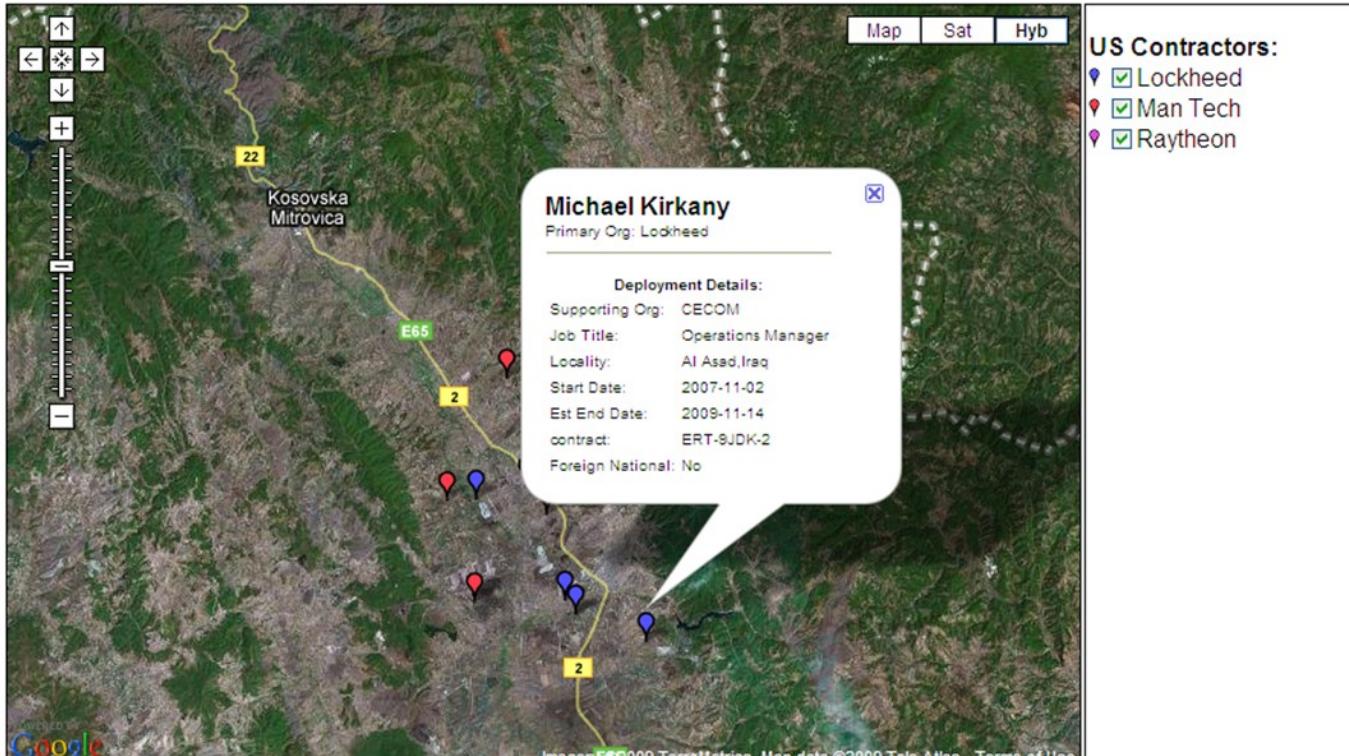




# Report Example: Geospatial Analysis

- Re

## TOPSS Graphical Information System



All Example Reports derive artificial data from the test or training SPOT instance.

Done



Local intranet





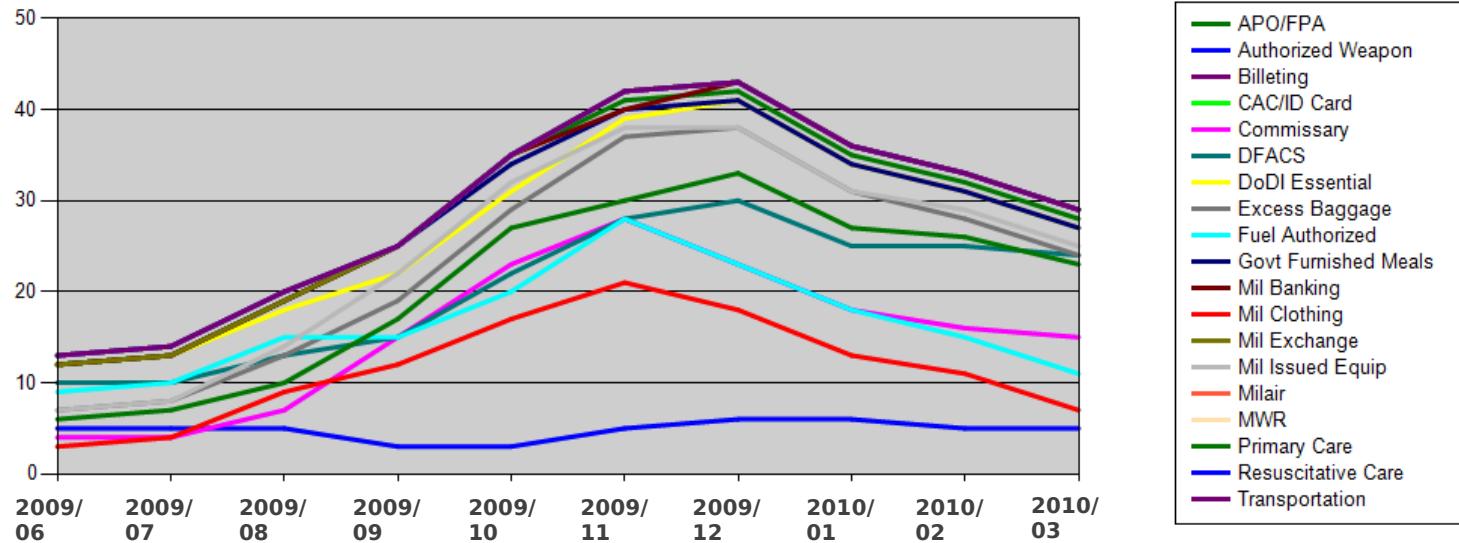
# Report Example: Time Series Analysis



## Logistics Report

Note: This report displays the data and trends

Logistics Trends Chart



Created: 2/17/2009 8:14:08 PM

All Example Reports derive artificial data from the test or training SPOT instance.





# Report and Data Security



- Data elements filtered and masked by user rights and permissions
  - Users can only generate authorized reports
  - Some users are only allowed summary reporting capabilities, but cannot drill into detailed data
  - Users can only see authorized data entities
  - Some users can see usage activities, system and data metrics, etc
  - Users can only see authorized data results
  - Some data filtered by user groups – COCOM users only see data relevant to their COCOM; Government agencies only see data related to their agency, etc.
  - Some data filtered or masked for privacy concerns (SSN, EDIPI)
- All data access is fully audited and archived for absolute traceability





# SPOT ES Data Integration





# SPOT version 7.1



- SPOT will ensure that contract numbers for DOD contracts follow consistent formatting rules
- Additional verbiage added to LOA concerning the GFSs
- Customer Management Center contact information updated
- SPOT will allow entry of a Theater Business Clearance number if required on the contract and task order
- The process of digital signing of the LOA will be streamlined with fewer screens
- SPOT will provide advance notice of deployments nearing their end dates
  - End dates will be configurable
- SPOT will notify affected users that their deployments and/or LOAs will be canceled or closed





# Support Resources



## SPOT SUPPORT

## SPOT PROGRAM OFFICE

## SPOT OUTREACH

## SPOT TRAINING

Customer Management Center

(CMC) at:

[Spot.helpdesk@us.army.mil](mailto:Spot.helpdesk@us.army.mil) or  
717.458.0747

Chat at

<http://www.spothelpdesk.com>

**SPOT PM: Jeffrey Taylor,  
703-607-3774 / DSN 337-3774**  
[jeffrey.taylor@bta.mil](mailto:jeffrey.taylor@bta.mil)

For communications and  
conferences:  
[spot.outreach@us.army.mil](mailto:spot.outreach@us.army.mil)

For additional training, please  
contact us at:  
[spot.training@us.army.mil](mailto:spot.training@us.army.mil)





# SPOT ES Resource Center



SPOT-ES RESOURCE CENTER

Search  Go

Home Training Registration SPOT-ES Resource Library SPOT PMO

## FAQs

- Q) I am a company admin and can't find a person in SPOT who I need to add to my company. What do I do?  
A) This issue is due to the person not being associated with your company or associated with any company at all. When [More >>](#)
- Q) I have switched companies and I need my role to reflect the new organization. What do I do?

### Training

The SPOT-ES training team offers Instructor Led Training (ILT) classroom, virtual training sessions using a WebCast forum, or a combination of both to meet different learner needs. We provide on-site training on a case-by-case basis in support of national

## Alerts

[Archive >>](#)

- There are no alerts at this time.

### Registration

Ready to sign up for SPOT? Use the link below to begin the registration process:

SPOT NIPRNet:  
<https://SPOT.al tess.army.mil>

### Help Desk

The SPOT-ES Help Desk is staffed by technical support specialists who are available 24/7 to answer your questions about SPOT, JAMMS, or the other SPOT-ES components.

Contact the Help Desk as follows:

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# Defining Business Rules and Processes

- Some tasks, such as entering contract information, can be completed by more than one type of SPOT user
- Establishing organizational information early can make using SPOT simpler for all categories of users
  - Defining and communicating who should do what can help eliminate delays
  - Ensuring that users are registered appropriately and organizational hierarchy has been defined in SPOT can save time
- Establishing organizational consistency in areas such as how contract numbers are entered and exactly which organizational names are used can also help streamline processes. Once LOAs and deployments are initiated, changing information such as organizational alignment and contract numbers can be a very complex and time-consuming process.





# SPOT Best Practices can Save Time



- Carefully defining key business rules can help prevent delays later in the process, for example:
  - What types of users are responsible for what tasks?
  - What organization each user should be associated with?
  - What role each user should be assigned?
  - Who are the appropriate sponsors?
- Once an LOA is approved, information cannot be changed on it without revoking it and starting over
  - Taking care to ensure that all information on LOAs is correct before approving it can save time
- Contracting officers can define the default Government Furnished Services for a contract, doing so when the contract is added reduces the need to assign these services to each LOA individually
- If a foreign national does not require a CAC, an official FIN may not be needed; other unique identifiers may be entered as an alternative





# Questions and Answers



## Questions? ReCap and Summary





# Summary: SPOT ES Benefits



## SPOT provides:

- Central, integrated source of information
- Aids in planning
- Single standard user interface
- A standard tool for the functional management of CAAF
- Reduces manual data entry through integration with related industry and government authoritative systems
- Automated movement tracking via JAMMS
- Digitally signed LOAs with unique SPOT barcodes
- Complies with Homeland Security Presidential Directive 12 Policy



